Ngrazier 10727168amendment

```
  * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 14:16:46 ON 28 DEC 2005

=> fil reg
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.21       0.21

FILE 'REGISTRY' ENTERED AT 14:16:59 ON 28 DEC 2005
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   27 DEC 2005  HIGHEST RN 870676-46-3
DICTIONARY FILE UPDATES:  27 DEC 2005  HIGHEST RN 870676-46-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

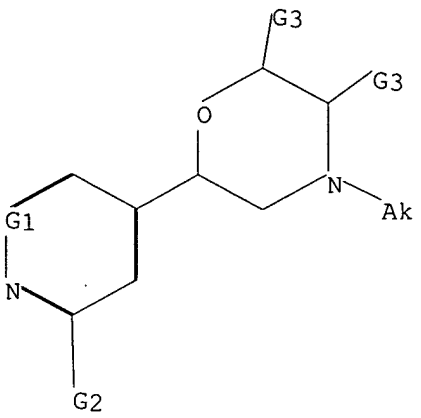
*********************************************************************
*                                                                   *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005.  A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*                                                                   *
*********************************************************************

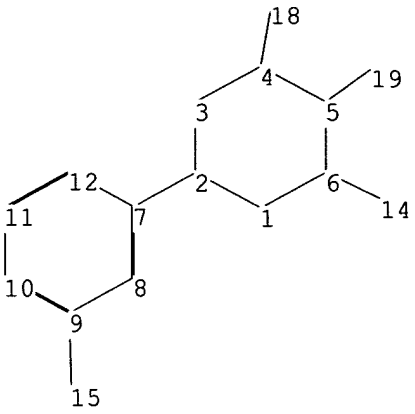
Structure search iteration limits have been increased.  See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\10727168clm17.str
```





chain nodes :
14 15 18 19
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
2-7 4-18 5-19 6-14 9-15
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
exact/norm bonds :
1-2 1-6 2-3 2-7 3-4 4-5 4-18 5-6 5-19 6-14 7-8 7-12 8-9 9-10 9-15 10-11
11-12

G1:C,N

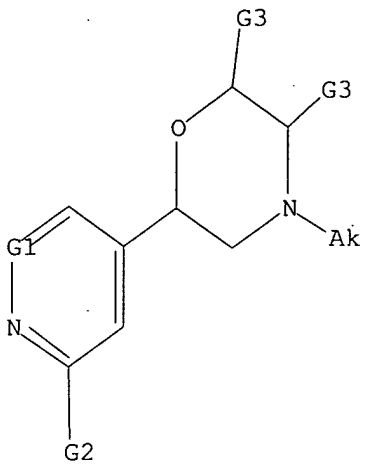
G2:H,F,OH,CN,CHO

G3:H,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 14:CLASS 15:CLASS 18:CLASS 19:CLASS

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



G1 C,N

G2 H,F,OH,CN,CHO

G3 H,Ak

Structure attributes must be viewed using STN Express query preparation.

```
=> s l1
SAMPLE SEARCH INITIATED 14:17:39 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      148 TO ITERATE

100.0% PROCESSED      148 ITERATIONS                                  2 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         2231 TO     3689
PROJECTED ANSWERS:               2 TO      124

L2            2 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 14:17:43 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     3043 TO ITERATE

100.0% PROCESSED     3043 ITERATIONS                                 13 ANSWERS
SEARCH TIME: 00.00.01

L3           13 SEA SSS FUL L1

=> fil hcaplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   161.33     161.54

FILE 'HCAPLUS' ENTERED AT 14:17:52 ON 28 DEC 2005
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FILE COVERS 1907 - 28 Dec 2005 VOL 144 ISS 1
FILE LAST UPDATED: 27 Dec 2005 (20051227/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> s l3
L4 2 L3

=> d ed abs ibib hitstr 1-2

L4 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2005 ACS on STN

ED Entered STN: 05 Jan 2004

AB The rapid evaluation of enantiomeric excess in the high-throughput screening of libraries has been a hurdle to the discovery of effective catalysts. A blue-fluorescent monoclonal antibody (mAb) addresses this problem; mAb 19G2 is used as a fluorescent sensor to evaluate a prepared panel of Cinchona alkaloid derivs. in the synthesis of asym. amino acids by phase-transfer catalysis.

ACCESSION NUMBER: 2004:4113 HCAPLUS
DOCUMENT NUMBER: 140:199488

TITLE: High-throughput screening by using a blue-fluorescent antibody sensor

AUTHOR(S): Matsushita, Masayuki; Yoshida, Kazuhiro; Yamamoto, Noboru; Wirsching, Peter; Lerner, Richard A.; Janda, Kim D.

CORPORATE SOURCE: Department of Chemistry and The Skaggs Institute for Chemical Biology, The Scripps Research Institute, La Jolla, CA, 92037, USA

SOURCE: Angewandte Chemie, International Edition (2003), 42(48), 5984-5987
CODEN: ACIEF5; ISSN: 1433-7851

PUBLISHER: Wiley-VCH Verlag GmbH & Co. KGaA

DOCUMENT TYPE: Journal

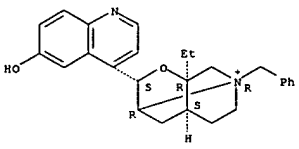
LANGUAGE: English

IT **661453-82-3P 661453-83-4P 661453-84-5P 661453-85-6P 661453-86-7P 661453-87-8P**
RL: CAT (Catalyst use); SPN (Synthetic preparation); PREP (Preparation); USES (Uses)
(preparation of Cinchona alkaloids as phase-transfer catalysts for the asym. synthesis of amino acids)

RN 661453-82-3 HCAPLUS

CN Cinchonanium, 3,9-epoxy-10,11-dihydro-6'-hydroxy-1-(phenylmethyl)-, bromide, (3α,9S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



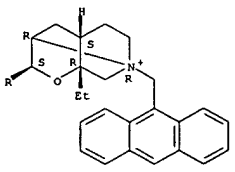
● Br⁻

RN 661453-83-4 HCAPLUS

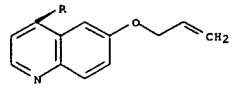
CN Cinchonanium, 3,9-epoxy-10,11-dihydro-1-(phenylmethyl)-6'-(2-propenyloxy)-, bromide, (3α,9S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

L4 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



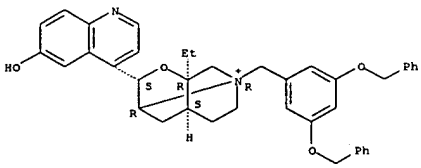
● Br⁻



RN 661453-86-7 HCAPLUS

CN Cinchonanium, 1-[[3,5-bis(phenylmethoxy)phenyl]methyl]-3,9-epoxy-10,11-dihydro-6'-hydroxy-, bromide, (3α,9S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



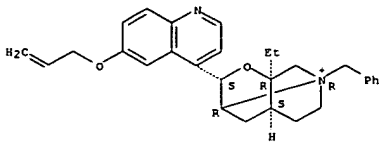
● Br⁻

RN 661453-87-8 HCAPLUS

CN Cinchonanium, 1-[[3,5-bis(phenylmethoxy)phenyl]methyl]-3,9-epoxy-10,11-dihydro-6'-(2-propenyloxy)-, bromide, (3α,9S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

L4 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

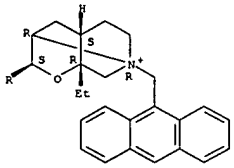


● Br⁻

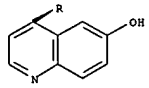
RN 661453-84-5 HCAPLUS

CN Cinchonanium, 1-(9-anthracenylmethyl)-10,11-dihydro-3,9-epoxy-6'-hydroxy-, chloride, (3α,9S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



● Cl⁻

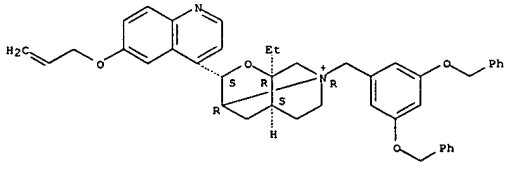


RN 661453-85-6 HCAPLUS

CN Cinchonanium, 1-(9-anthracenylmethyl)-10,11-dihydro-3,9-epoxy-6'-(2-propenyloxy)-, bromide, (3α,9S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

L4 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



● Br⁻

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2005 ACS on STN

ED Entered STN: 12 May 1990

GI For diagram(s), see printed CA Issue.

AB The title compds. [I; R1 = (halo-, CF3-, or alkyl-substituted) heteroaryl; R2 = H, OH; R3 = OH, CO2H, alkoxycarbonyl, carbamoyl, (substituted) alkoxy, vinyl; A = (Me- or Et-substituted) C2-3 alkylene; X = bond, O; n = 0, 1], useful as platelet aggregation inhibitors, antidiabetics, antiobesity agents, antihyperlipoproteinemics, and anabolic agents, were prepared Thus, 2-(6-chloropyridin-2-yl)morpholine and 1-(4-carbomethoxymethoxyphenyl)propan-2-one in MeOH were stirred with HOAc and NaBH3CN to give 84% II. II at 0.3 mg/kg orally in mice reduced blood glucose by 50% and increased blood glycerin by 262%. Numerous formulations of I were given.

ACCESSION NUMBER: 1990:178999 HCAPLUS

DOCUMENT NUMBER: 112:178999

TITLE: Morpholines and morpholine N-oxides, medicines containing these compounds and process for their preparation

INVENTOR(S): Reiffen, Manfred; Mark, Michael; Sauter, Robert; Grell, Wolfgang

PATENT ASSIGNEE(S): Thomae, Dr. Karl, G.m.b.H., Fed. Rep. Ger.

SOURCE: Eur. Pat. Appl., 28 pp.
CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 334146	A1	19890927	EP 1989-104376	19890313
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
DE 3809775	A1	19891005	DE 1988-3809775	19880323
JP 01299287	A2	19891204	JP 1989-70300	19890322
US 5026702	A	19910625	US 1989-327665	19890323
PRIORITY APPLN. INFO.:			DE 1988-3809775 A	19880323

OTHER SOURCE(S): CASREACT 112:178999; MARPAT 112:178999

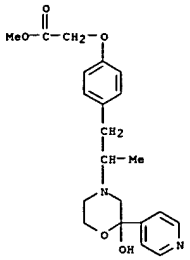
IT 126325-31-3P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as drug)

RN 126325-31-3 HCAPLUS

CN Acetic acid, [4-[2-[2-hydroxy-2-(4-pyridinyl)-4-morpholinyl]propyl]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



Ngrazier 10727168amendment

```
=> fil reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                      12.33     173.87

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                      -1.46      -1.46

FILE 'REGISTRY' ENTERED AT 14:18:15 ON 28 DEC 2005
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STRUCTURE FILE UPDATES:   27 DEC 2005  HIGHEST RN 870676-46-3
DICTIONARY FILE UPDATES:  27 DEC 2005  HIGHEST RN 870676-46-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

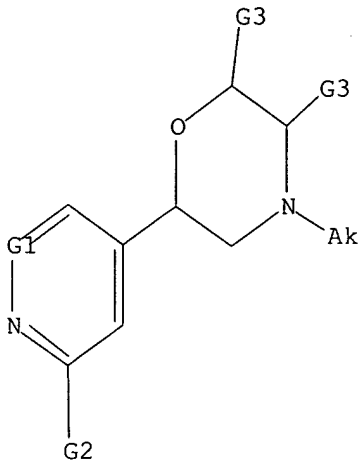
*********************************************************************
*                                                                   *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005.  A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*                                                                   *
*********************************************************************

Structure search iteration limits have been increased.  See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> d l1
L1 HAS NO ANSWERS
L1              STR
```



G1 C,N

G2 H,F,OH,CN,CHO

G3 H,Ak

Structure attributes must be viewed using STN Express query preparation.

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.43	174.30

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.46

STN INTERNATIONAL LOGOFF AT 14:18:23 ON 28 DEC 2005